

INTERNATIONAL SEARCH REPORT

International Application No

PCT/ZA2004/000098

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A01G27/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 043 811 A (SAKAE MORI) 28 September 1966 (1966-09-28) page 2, line 35 - line 41; figures 1-3 ----- US 3 753 315 A (ADAM R) 21 August 1973 (1973-08-21)	31-33
Y	the whole document ----- US 2 288 678 A (BLUMENTRITT CALVIN L) 7 July 1942 (1942-07-07)	1-9, 13-15, 17,18, 28,29, 34,35
Y	the whole document ----- -/-	1-9, 13-15, 17,18, 28,29, 34,35

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

7 December 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 290 837 A (LOMMERZHEIM HANS) 11 June 1976 (1976-06-11) page 2, line 23 – page 6, line 17; figure 1	1-9, 28, 29, 34, 35
A	US 1 940 044 A (ERICK BRANDT) 19 December 1933 (1933-12-19) page 1, line 46 – line 54; figure 5	1, 24-27
A	FR 1 208 813 A (ÉMILE GAUDIN) 25 February 1960 (1960-02-25) the whole document	1
A	US 6 584 730 B1 (MAI CHUAN-LIANG) 1 July 2003 (2003-07-01) column 2, line 17 – line 33; figure 1	31-33
A	DE 35 23 004 A (BLOCK HUBERT K) 8 January 1987 (1987-01-08) figure 11	31, 32
A	US 2003/106262 A1 (LAI YUAN-SONG) 12 June 2003 (2003-06-12) figures 2-5b	31, 33
A	US 5 446 994 A (CHOU WEN S) 5 September 1995 (1995-09-05) figure 1	31-33

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
GB 1043811	A	28-09-1966	US	3271900 A		13-09-1966
US 3753315	A	21-08-1973	FR	2093036 A6		28-01-1972
			DE	2126414 A1		02-12-1971
			FR	2177492 A2		09-11-1973
US 2288678	A	07-07-1942	NONE			
FR 2290837	A	11-06-1976	DE	2453919 A1		26-05-1976
			ES	432677 A1		16-12-1976
			FR	2290837 A1		11-06-1976
			NL	7512139 A		18-05-1976
US 1940044	A	19-12-1933	NONE			
FR 1208813	A	25-02-1960	FR	75875 E		27-12-1961
			LU	38045 A		
US 6584730	B1	01-07-2003	NONE			
DE 3523004	A	08-01-1987	DE	3523004 A1		08-01-1987
US 2003106262	A1	12-06-2003	NONE			
US 5446994	A	05-09-1995	NONE			